

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10120 (1982): Supplier's data sheet for rotary dryers
[MED 17: Chemical Engineering Plants and Related Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
SUPPLIER'S DATA SHEET FOR
ROTARY DRYERS

1. Scope — Covers the technical data to be supplied by a manufacturer or supplier of a dryer to a customer as per purchaser's data sheet.

2. Supplier's Data Sheet

SUPPLIER'S DATA SHEET FOR ROTARY DRYERS

- 1) Make.....
- 2) Type
 - a) Batch/continuous
 - b) Type with respect to constructional features.....
 - c) Direct contact/Indirect contact
- 3) Form of discharge material
- 4) Drum rotation speed and slope
- 5) Diameter and length.....
- 6) Capacity
- 7) Seal on shaft
- 8) Seal purging by mm H₂O (fluid)
- 9) Finishing of inner drum surface Emery
- 10) Finishing of outer tube surface Emery
- 11) Drum control:
 - a) Driving motor (electric)
 - b) Manufacturer and model.....
 - c) Reduction gear: Type..... Class Reduction ratio
- 12) Maximum temperature attainable
- 13) Power input
- 14) Guaranteed efficiency percent
- 15) Casing :
 - a) Material
 - b) Standard to which the material conforms
- 16) Inlet connection
 - a) Size
 - b) Material and thickness.....
 - c) Standard to which the material conforms

Adopted 23 February 1982

© August 1982, ISI

Price Rs 6-00

Chemical Engineering Sectional Committee, EDC 57; Drying Equipment Subcommittee, EDC 57 : 7 [Ref : Doc : EDC 57 (3495)]

SUPPLIER'S DATA SHEET FOR ROTARY DRYERS — *Contd.*

- 17) a) Details of inside lining.....
 b) Details of internal
- 18) Provision for dust collection Yes/No.
- 19) Outlet connection :
- a) Size
- b) Material and thickness
- c) Standard to which the material conforms
- 20) Heating medium (oil, steam, electrical, hot air and waste gases, etc).....
- 21) Pressure of steam
- 22) Steam consumption
- 23) Thermal efficiency.....
- 24) Heat insulation (type and thickness) mm
- 25) Total surface area for heat insulation (estimated) m²
- 26) Location (indoor or outdoor)
- 27) If outdoor whether enclosure, if any
- 28) Access facilities like ladders, stairways, platforms and walkways provided (Yes/No).....

- 29) Type of drive :
- a) Chain drive
- b) Girth gear drive
- c) Motor/gear box
- d) Broad details
- 30) Painting (Yes/No).....
- 31) Space requirement for installation of dryers :
- a) Length
- b) Breadth
- c) Height.....
- 32) Weight of the equipment :
- a) Empty
- b) Weight in operation.....
- 33) No. of tyres.....
- 34) No. of trunnion rolls, thrust rollers and riding rings.....
- 35) Bearing.....

SUPPLIER'S DATA SHEET FOR ROTARY DRYERS — *Contd*

- 36) Details of girth gear and pinion
- 37) Type of sealing arrangement at inlet and outlet
- 38) General arrangement drawing of the dryer provided Yes/No
- 39) Heating arrangement
- 40) Auxiliaries *
- a) Screw feeder
- Humidity (solids) average capacity kg/h
- Humidity (solids) design capacity kg/h
- Impeller diameter *
- Putting out of screw by drier head to centre line inlet feed mm
- r. p. m. *
- b) Motor *
- Recommended capacity for driving kW
- Capacity kW
- Manufacturer and model.....
- r. p. m.
- c) Reduction gear *
- Type
- Class
- Reduction ratio.....
- Manufacturer and model.....
- H. P.
- d) Discharging screw *
- Capacity at normal head kg/h
- Capacity at maximum head minimum speed kg/h
- e) Speed variator : as required to allow discharge of the above amounts
- Motor * kW
- Recommended capacity
- H. P.
- r. p. m.
- Manufacturer and model.....

* To be indicated by the drier supplier.

SUPPLIER'S DATA SHEET FOR ROTARY DRYERS — *Contd*

f) Speed reducer *

Type

Outlet speed from to r.p.m.

Class

Manufacturer and model.....

4l) Other salient features

* To be indicated by the drier supplier.

EXPLANATORY NOTE

This information given by a manufacturer or a supplier according to the above data sheet will enable a purchaser to evaluate the product before he finally decides to purchase a particular brand or type. The International System (SI) Units have been used in the standard. For guidance, the relationship of pressure units pascal (Pa) to other units is given below :

1 Pascal (Pa) = 1 newton/square metre (N/m²) = 0.102 kgf / m².